UTILITY PATENT APPLICATION TRANSMITTAL (Larg Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. YOR920030194US1 (16695)

Total Pages in this Submission

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application

P.O. Box 1450 Alexandria, VA 22313-1450								
Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent	application for an							
ATOMIC LAYER DEPOSITION OF METALLIC CONTACTS, GATES AND DIFFUSION BAR	RIERS OF THE PROPERTY OF THE P							
and invented by:								
Cyril Cabral, Jr. Hyungjun Kim Stephen M. Rossnagel	102							
If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information.	:							
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.	:							
Which is a:								
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.								
Which is a: Continuation Divisional Continuation-in-part (CIP) of prior application No.	:							
Enclosed are: Application Elements								
1. 🛛 Filing fee as calculated and transmitted as described below								
2. Specification having pages and including the following:								
a. 🗷 Descriptive Title of the Invention								
b. Cross References to Related Applications (if applicable)								
c. Statement Regarding Federally-sponsored Research/Development (if applicable)							
d. Reference to Sequence Listing, a Table, or a Computer Program Listing Append	lix							
e. 🗵 Background of the Invention								
f. 🗷 Brief Summary of the Invention								
g. 🛛 Brief Description of the Drawings (if filed)								
h. 🗵 Detailed Description								
i. 🗷 Claim(s) as Classified Below								
j. 🗷 Abstract of the Disclosure								

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Applicati n El ments (C ntinu d)									
3.	☑ Drawing(s) (when necessary as prescribed by 35 USC 113)								
	a.	Solution Formal Number of Sheets 3							
	b.	☐ Informal Number of Sheets							
4.	X	Oath or Declaration							
	a.	☑ Newly executed (original or copy) ☐ Unexecuted							
	b.	☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)							
	C.	☑ With Power of Attorney ☐ Without Power of Attorney							
	d.	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).							
5.		Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.							
6.		CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)							
7.		Application Data Sheet (See 37 CFR 1.76)							
8.		Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)							
	a.	☐ Computer Readable Form (CRF)							
	b.	☐ Specification Sequence Listing on:							
		i. CD-ROM or CD-R (2 copies); or							
		ii. Paper							
	C.	☐ Statement(s) Verifying Identical Paper and Computer Readable Copy							
		Accompanying Application Parts							
9.	X	Assignment Papers (cover sheet & document(s))							
10.		37 CFR 3.73(B) Statement (when there is an assignee)							
11.		English Translation Document (if applicable)							
12.		Information Disclosure Statement/PTO-1449							
13.		Preliminary Amendment							
14.	X	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)							
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)							
16.	X	Certificate of Mailing							
		☐ First Class ☒ Express Mail (Specify Label No.): EV267607566US							

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Accompanying Application Parts (Continued)

		Accompanying Application Faits (Continues)
17.	X	Additional Enclosures (please identify below):
		ASSIGNEE NAME: INTERNATIONAL BUSINESS MACHINES CORPORATION ASSIGNEE ADDRESS: ARMONK, NEW YORK
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
18.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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(19) Correspondence Address Customer Number: 23389

Fee Calculation and Transmittal

	CLAIMS AS FILED						
For	#Filed	#Allowed	#Extra		Rate	Fee	
r tal Claims	30	- 20 =	10	x	\$18.00	\$180.00	
ndep. Claims	3	- 3 =	0	x	\$84.00	\$0.00	
Multiple Dependent C	laims (check	if applicable)				\$0.00	
					BASIC FE	E \$750.00	
OTHER FEE (specify	y purpose)					\$0.00	
					TOTAL FILING FE	\$930.00	
•	ne amount of	\$930.00	as filing fee.				
☑ Charge th☑ Credit and☑ Charge a☐ Charge th	ne amount of y overpaymer ny additional ne issue fee s to 37 C.F.R.	nt. filing fees require et in 37 C.F.R. 1.	d under 37 C 18 at the mai –	Leopold	Notice of Allowande, Signature		

			_	Docket No.			
CERTIFICATE OF I	YOR920030194US1 (16695)						
Serial No.	Filing Date	Examiner		Group Art Unit			
To be assigned	Herewith	Unassigned		Unassigned			
Invention: ATOMIC LA	AYER DEPOSITION OF METAL	LLIC CONTACTS, GATES A	ND DI	FFUSION BARRIERS			
I hereby certify that the	e following correspondence:						
New Utility Patent Application							
	(Identify type	of correspondence)					
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 19, 2003 (Date)							
	LeopoldPresser						
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(Signature of Person Malling Obrrespondence)							
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	Note: Each paper must h	ave its own certificate of mailing.	3				